

A Manual for Architects

Digitized by:



ASSOCIATION FOR PRESERVATION TECHNOLOGY www.apti.org

For the

BUILDING TECHNOLOGY HERITAGE LIBRARY

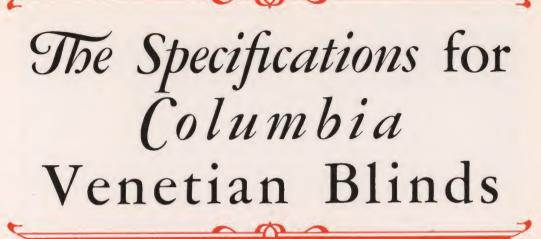
https://archive.org/details/buildingtechnologyheritagelibrary

From the collection of:



SOUTHEASTERN ARCHITECTURAL ARCHIVE SPECIAL COLLECTIONS HOWARD-TILTON MEMORIAL LIBRARY

http://seaa.tulane.edu



VOUR FAITHFUL SERVANTS



USINESS OFFICES, libraries, banks, hotels, and in fact all public places where rooms are large, windows expansive and lighting a problem,—are better serviced with Columbia Venetian Blinds. For with these louvred controllers illumination becomes a matter of simplicity. Seclusion, to the point of total light exclusion, may be had. Or the light may be filtered, reflected, amplified or brought in uninterruptedly, as desired by the tenant.

Several new mechanical refinements form the basis of this excellence in lighting efficiency.

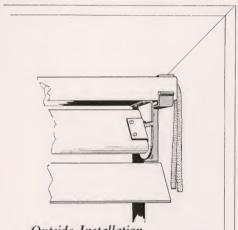
Directed Daylight —now a part of a r c h i t e c t u r e

of your structures in every detail suggests consideration of Columbia Venetian Blinds as "part of the picture." Introduction of the improved Columbia Venetian Blinds facilitates selection, for in this product are combined several outstanding features which the Architect has long sought. In fact, these Blinds were virtually designed according to the composite ideas of outstanding Illumination Engineers cooperating with Columbia Designers in conceiving and developing the numerous refinements. ¶ Installation of Columbia Blinds permits full or partial ventilation without impairment of light control 111 seclusion combined with regulated light 111 simplicity plus elegance 111 and most important of all factors, illumination of the darker parts of rooms, made possible by scientific direction and reflection of the light.

Scientific control of light improves room value

The term "Venetian Blinds" is actually a misnomer, but common usage of the term has implanted it as a generic expression for slatted louvres at windows. Scientific tests conducted in the Columbia MILLS and in universities prove conclusively that the NEWEST type of Venetian Blinds are controllers of natural light and instead of serving as a barrier to light, actually increase and diffuse the glare so that the illumination of the darker sections of the room can be best accomplished. This is of importance to architects.

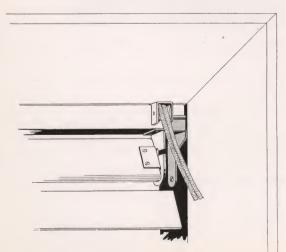




Outside Installation with Columbia Spring-Lock Brackets

Installation Brackets

The entire Blind with head rail can be slipped in or removed instantly by pressing down on the retaining spring. Two types are made—one for inside, one for outside casing.



Inside Installation
with Columbia Spring-Lock Brackets

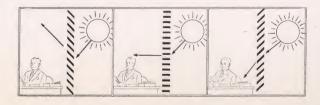
In planning rooms consideration of the lighting values of Venetian Blinds is necessary as a part of architectural vision. Rooms that may otherwise be dark can be made more tenantable. It appears that the amount of illumination on a desk surface at the rear of a room determines to a great extent not only the value of the space which the desk occupies but also the depth of the room which it is practicable to have with a given height of ceiling. By use of *Columbia Venetian Blinds* the illumination in that portion of a room farthest from the windows is *materially increased* over daylight illumination with any other means of natural light control.

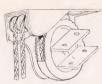
So in the planning of buildings the Architect has this new factor of illumination to assist him in bringing to remote sections of the rooms proper lighting and reduction of shadows.

Recently, in the Research Laboratory of a leading university, it was established that, with Venetian Blinds, (*Columbia* type used) it is possible to increase the natural daylight in the darker portions of a room from 100% to 130%, according to the color, finish and angle of the slats.

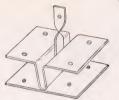
This conclusively demonstrates the possibilities and practical value of Venetian Blinds as a means for increasing as well as controlling the natural light in a room.

The findings further reveal that the most scientific and valuable effect of a proper Venetian Blind is, perhaps, a very noticeable and agreeable alteration in the quality of the *natural lighting* in a room. While shutting out excessive sunshine or large expanses of bright sky it is possible to throw a larger part of the intercepted light upon the ceiling or side walls so that it may become effective as an indirect component in the illumination of the room.





TILT LOCK BRACKET and SPROCKET. A slight pull on the cord releases the trigger and it automatically relocks the tilt when tension is released by operator.



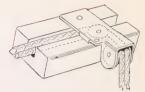
ANTI-SAG CENTER
TILT SUPPORT. Prevents sagging or warping by giving extra
support.



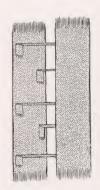
INSIDE and OUTSIDE
INSTALLATION BRACKETS for holding head
rail in position.



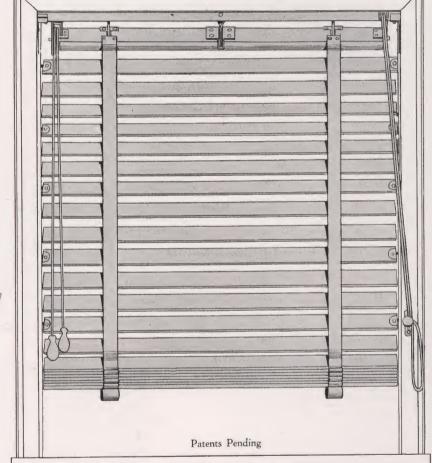
BALL - BEARING PUL-LEY and Bessemer steel pin bearing—a new and exclusive feature.



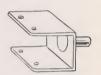
front lift pulley for inside casement for accommodating lifting cord.



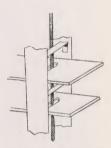
I.M PORTED LADDER WEB. Cross tapes interwoven.



TILT BRACKET. Die cut from auto-body steel. Brush brass lacquer finish.



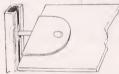
TILT RAIL END CLIP.



GLAZED HOLLOW BRAID CORD for lifting slats.



BRASS CORD HOLDER.



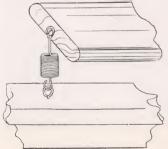
CHANNEL GUIDE AS-SEMBLY. To fit inside of casing.



cord knobs. Latheturned, finished in brush brass lacquer.

Ball-bearings

Steel ball-bearing pulleys on Bessemer steel shafts insure smooth, noiseless operation. Rustless, anti-friction. Of almost indestructible permanence, the operating parts will give years of service, so there is practically no upkeep cost.



BOTTOM RAIL AN-CHOR SPRING. Attached to screw eye in sill. SEASONED SLATS.
Free from all sap and knots Clean-cut mortises.





Specifications

Slats

Slats shall be ½"x2¾" Clear Cedar, free from warp, wane, stain or knots. All slats are to have smooth, even surface, all edges rounded and free from splits. All slot holes for operating cords to be clean cut with smooth edges.

Slats Lacquer Finish

All slats to be *Columbia* Tudor semi-gloss, velvet finish, of any standard *Columbia* color.

Head and Bottom Rail

Cedar head rails shall be $1\frac{1}{8}$ "x $2\frac{5}{8}$ ", made of clear stock, to be sanded and lacquered to match finish and color of slats. All slots, grooves and routings to be free from rough and firred edges where lifting cords are in contact.

Ladder Tape

Tape to be of best grade of imported interwoven tape free from defects in warp, woof or weaving. Color to be selected from *Columbia* standard color line for *Columbia* Venetian Blind tapes.

Lifting Cords

Lifting and tilt control cords shall be of non-stretch glazed hollow-tube No. 4½ braided cord of a standard *Columbia* color. All blinds to be equipped with sufficient cord to properly control lift of blind as per specification covering height of blind from floor to sill. All cord equipment to be guaranteed against defects in materials or weaving.

Pulleys

All pulleys shall be machined steel ball-bearing wheel type, $\frac{1}{2}$ "x $\frac{7}{8}$ " with $\frac{1}{8}$ " flanges. Pulleys to have $\frac{1}{8}$ " Bessemer steel shafts to insure smooth operation.

Tilt Lock

All blinds shall be equipped with *Columbia* positive stop tilt device allowing at least eleven adjustments of slats both upward and downward from horizontal position of slats and insuring smooth and quiet operation of blind by the use of tilt cords.

Installation Brackets

All Columbia Venetian Blinds shall be installed with Columbia spring-lock installation brackets of suitable weight and design, and finished in Brush Brass lacquer. Special brackets shall be provided when necessary to meet special conditions of installation.

Cord Anchor

All Columbia Venetian Blinds to have solid brass self-locking cord holders or suitable means of anchoring cords to casing, depending upon type of construction.

Transom and Door Blinds

All Venetian Blinds for transoms and doors to be installed with *Columbia* type brass guide rods, with guide rings and clips on every fourth slat. All to be installed in workmanlike manner to operate free and smooth without binding.

Channel Side Guides

For openings requiring inside installation, when channel guides are designated, blinds shall be equipped with Columbia type 1/2" x 1/2" channel rails. Every fourth slat of blind shall be equipped with guide lugs and clips. All to be finished in Brush Brass Lacquer to match other blind fittings.

Tilt-rail Center Support

All blinds over 48" in width or containing over 24 square feet area shall be equipped with one or more *Columbia* center supports, to prevent sagging.

Center Hanger Bracket

All blinds over 48" in width shall be installed with one or more *Columbia* center hanger brackets to support head rail.

Compound Pulley Lift

All blinds over 72" in width or containing over 35 square feet area shall be of *Columbia* compound pulley lift assembly type.

Auxiliary Elevator

All blinds containing over 100 square feet area shall be mounted on *Columbia* auxiliary elevator roller to insure ease of operation in lifting blinds.

Installation

Contractor to hang Blinds true and straight with uniform standard allowance on either side to insure perfect and free action.

All blinds when specified to be installed inside are to be equipped with *Columbia* front lift pulley, for lifting cords.

Operation

All Columbia Venetian Blinds shall be made and equipped to operate from the floor except fixed slat blinds to fill arched top openings, etc.

Installations

Views of *Columbia* Venetian Blinds, showing recent installations. Addresses will be furnished of various installations in your locality, for inspection.



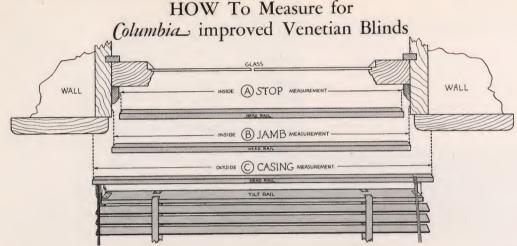






Improved Blinds
for
BANKS, STORES
LODGES & CLUBS
LIBRARIES
SCHOOLS, OFFICES
SOLARIUMS
ETC.

The





Finished in mahogany and walnut-stain effects and also in soft pastel shades to harmonize with any architectural effect. For plain, circle top and special shaped windows and doors.



Guarantee

Only the best materials obtainable are used in the manufacture of Columbia Improved Venetian Blinds. Fixtures including Tilt Lock, Tilt Råil Center Support, Ball Bearing Pulleys and Spring Lock Brackets are guaranteed against defects in material, workmanship and assembly for a period of twenty years normal service. Under ordinary conditions of service and exposure, tapes and cords will last five to ten years, but they are not guaranteed against fading or deterioration for a specific term.

Authorized Service Dealers

Because of the extreme care with which Venetian Blinds should be installed and the necessity of experience in order to best meet the wishes of Architects, *Authorized Service Dealers* have been appointed by *Columbia MILLS* in various territories, whose duty it is to cooperate with the profession

in planning installations. Selection of *Columbia* Venetian Blinds assures thoroughly satisfactory installation. The name of the authorized Service Dealer in your territory will be furnished upon request. His services can be fully relied upon, and will meet with your approval.

Estimates Furnished

Preliminary or final estimates will be gladly offered by any of our Authorized Dealers and sample installations are available, without obligation on your part.

The Columbia MILLS Inc.

225 Fifth Avenue, New York City, N. Y.

ALSO MANUFACTURERS OF COLUMBIA GUARANTEED WINDOW SHADES AND ROLLERS



